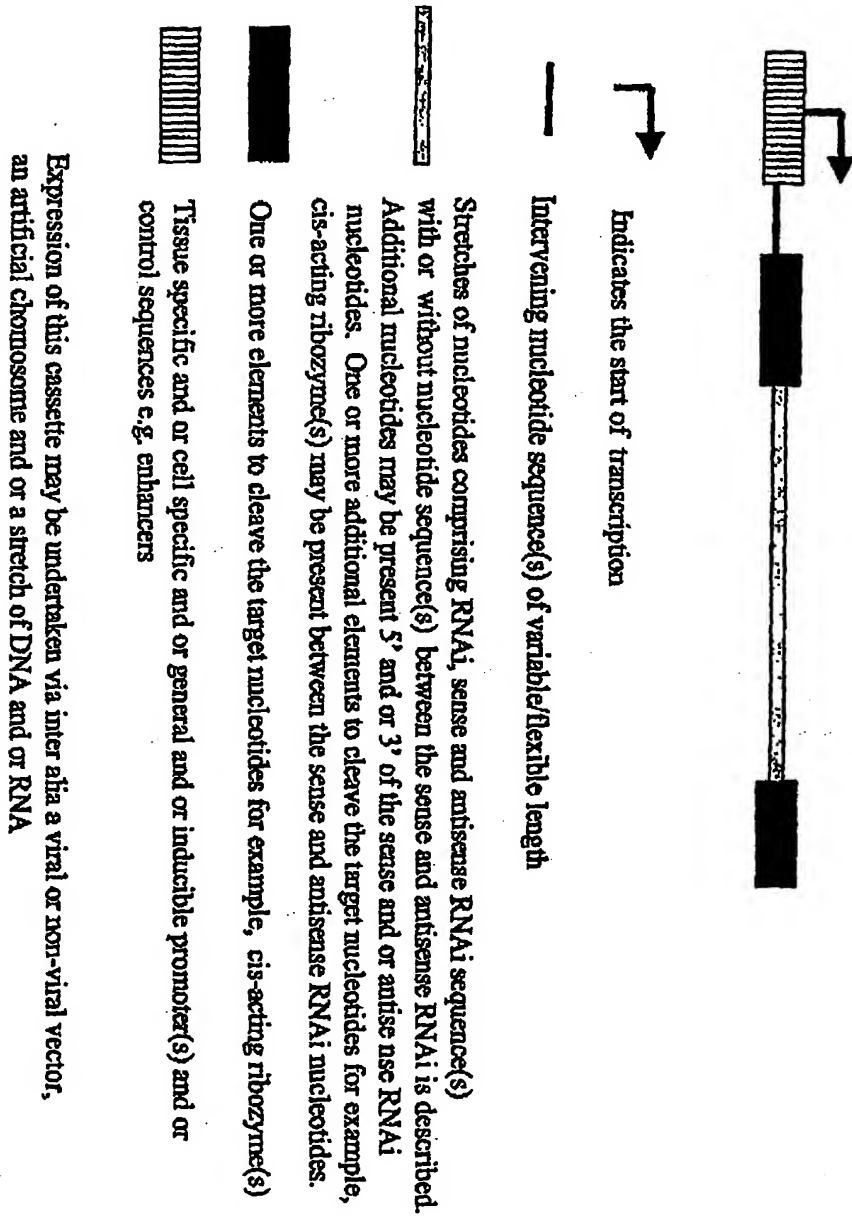
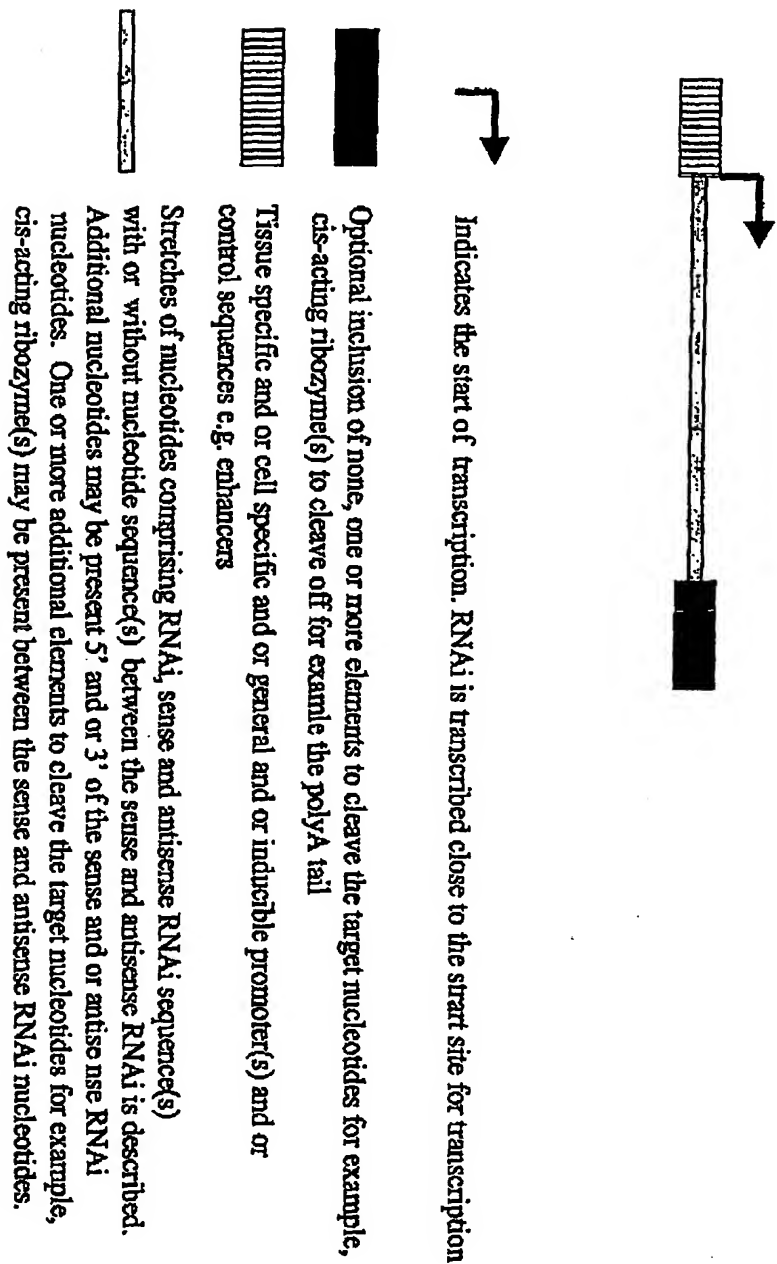


Figure 1 : Design for RNAi expression



**Figure 2: Design for RNAi expression**



Number	Gene	Ref	Sequences driving tissue specific expression
1	Rhodopsin, RHO gene	Gouras et al. Vis Neurosci 11: 1227 1994	Photoreceptor specificity can be achieved using various sequences 5' of the rhodopsin promoter (from -222 to +70 and -2174 to +70). Expression in both rod and cone photoreceptor cells is observed using these 5' sequences
2	Alpha I type I collagen	Kalajuzic et al. Bone 31: 654 2002	Expression in osteoblasts can be achieved using, for example, 3.6 kb of the rat type collagen I A1 promoter
3	Oligodendrocyte myelin glycoprotein	Solly et al. Neurochem 68: 1705 1997	657 bases of the 5' murine MOG can drive gene expression of a gene in an oligodendroglial cell line
4	Cone arrestin (CAR)	Zhu et al. Febs letters 524: 116 2002	215 bases 5' fragment of the CAR gene can drive expression of a gene in retinoblastoma cells
5	Albumin	Postic et al. J Biol Chem 274: 305 1999	2.3 kilobases 5' of the albumin gene can drive expression of a gene in hepatocytes
6	Neuron specific enolase	Kowalski et al. Diabetes 30: 425 2001	1.8 kilobases of the neuron specific enolase drives gene expression in neurons
7	Human GnRH gene	Wolfe et al. Mol Endo 16: 435	Expression in neurons can be achieved using 992 bases of the human GnRH gene promoter
8	alpha-actin promoter	Frauli et al. Med Sci Monit 9: BR78 2003	Human skeletal alpha-actin promoter (between -432 and +239) and beta-enolase enhancer (+504 and +637) can direct gene expression in skeletal muscle
9	Smooth muscle myosin heavy chain promoter	Franz et al. Circovasc Res 43: 1040 1999	2.3 kilobases of the smooth muscle myosin chain promoter can direct expression to vascular tissue

Figure 3: Promoter sequence driving tissue specific gene expression

**Figure 4a**

CAACCACTACCTGAGCACCAGTTCAGAGACTGGGTGCTCAGGTAGTGGTTGTC

CAACCACTACCTGAGCACCAG T T C  
CTGTTGGTGA TGACTCGTGGGTC A G A  
A G A A G

Figure 4b



**Figure 4c**

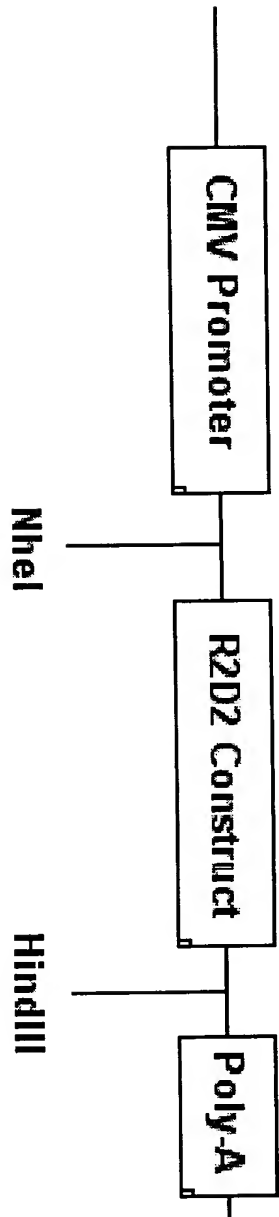


Figure 4D

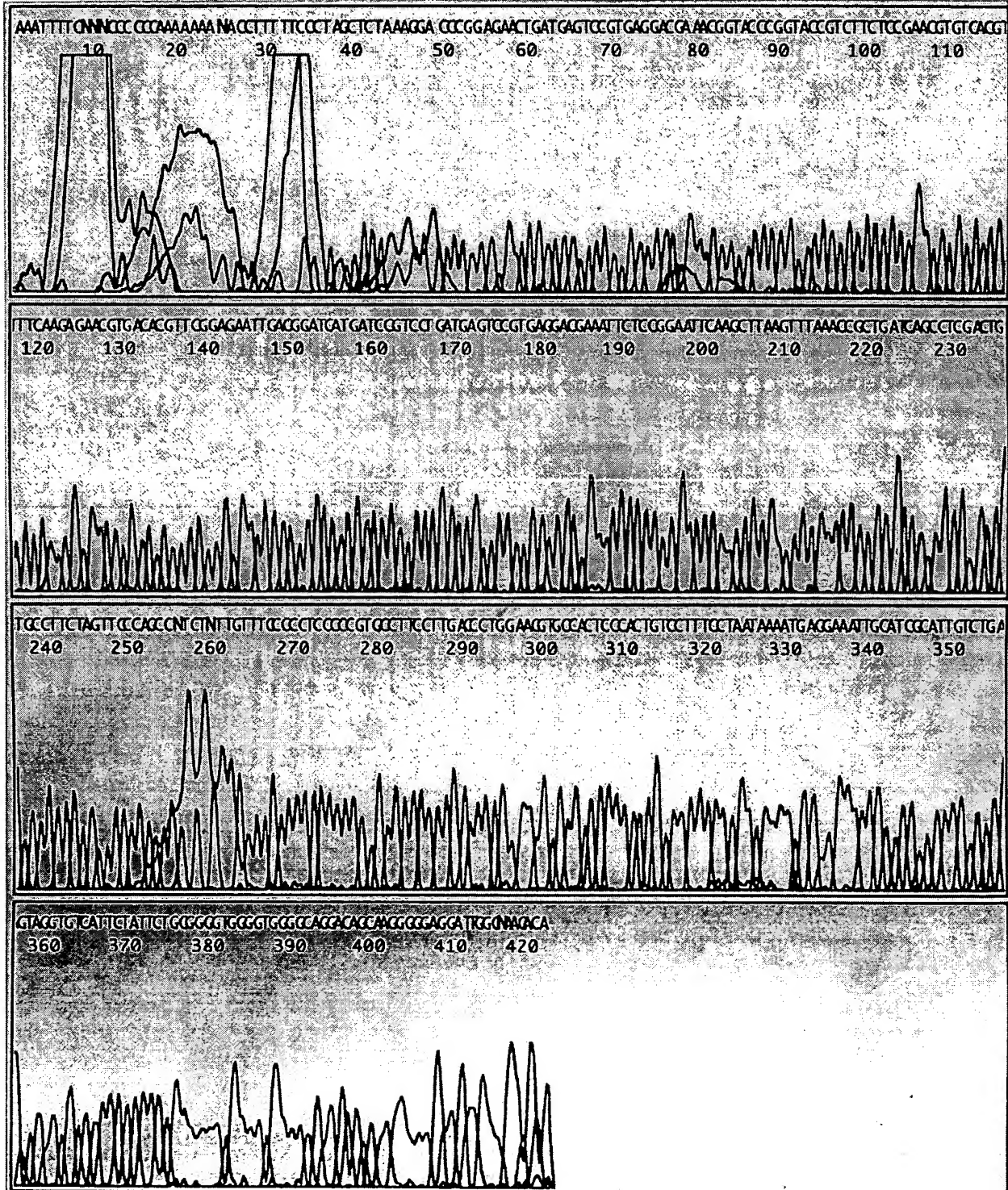


Figure 4E

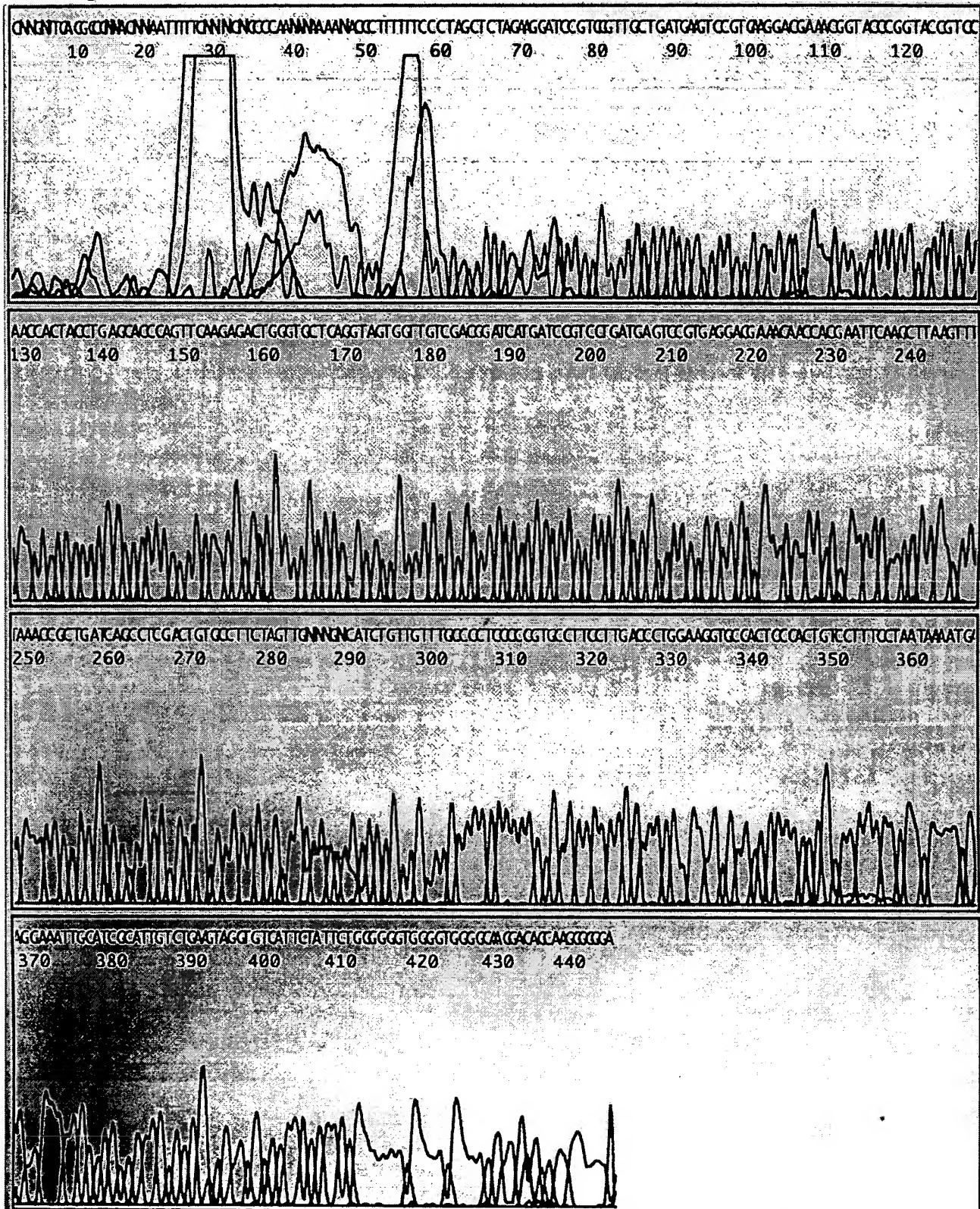




Figure 4F

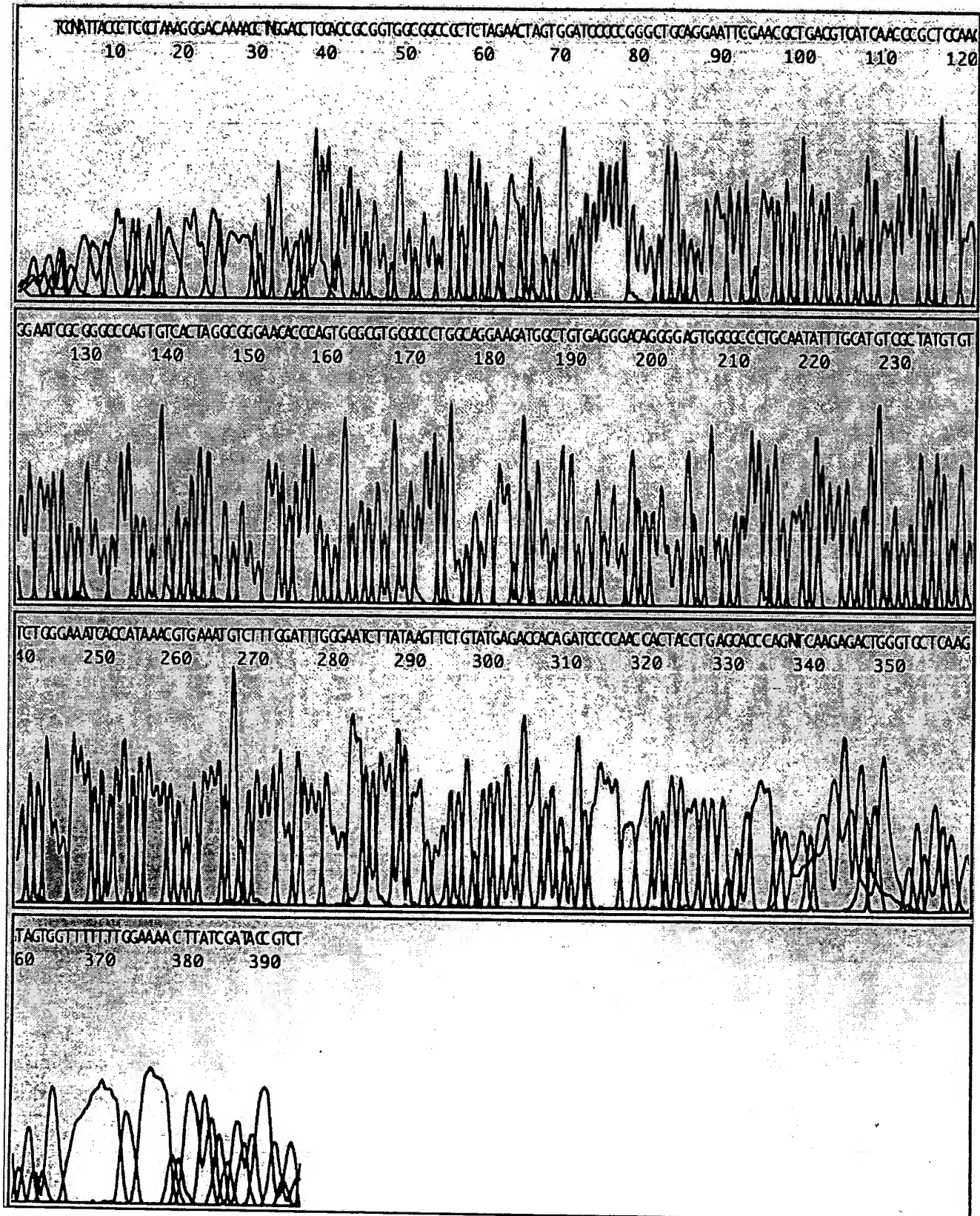
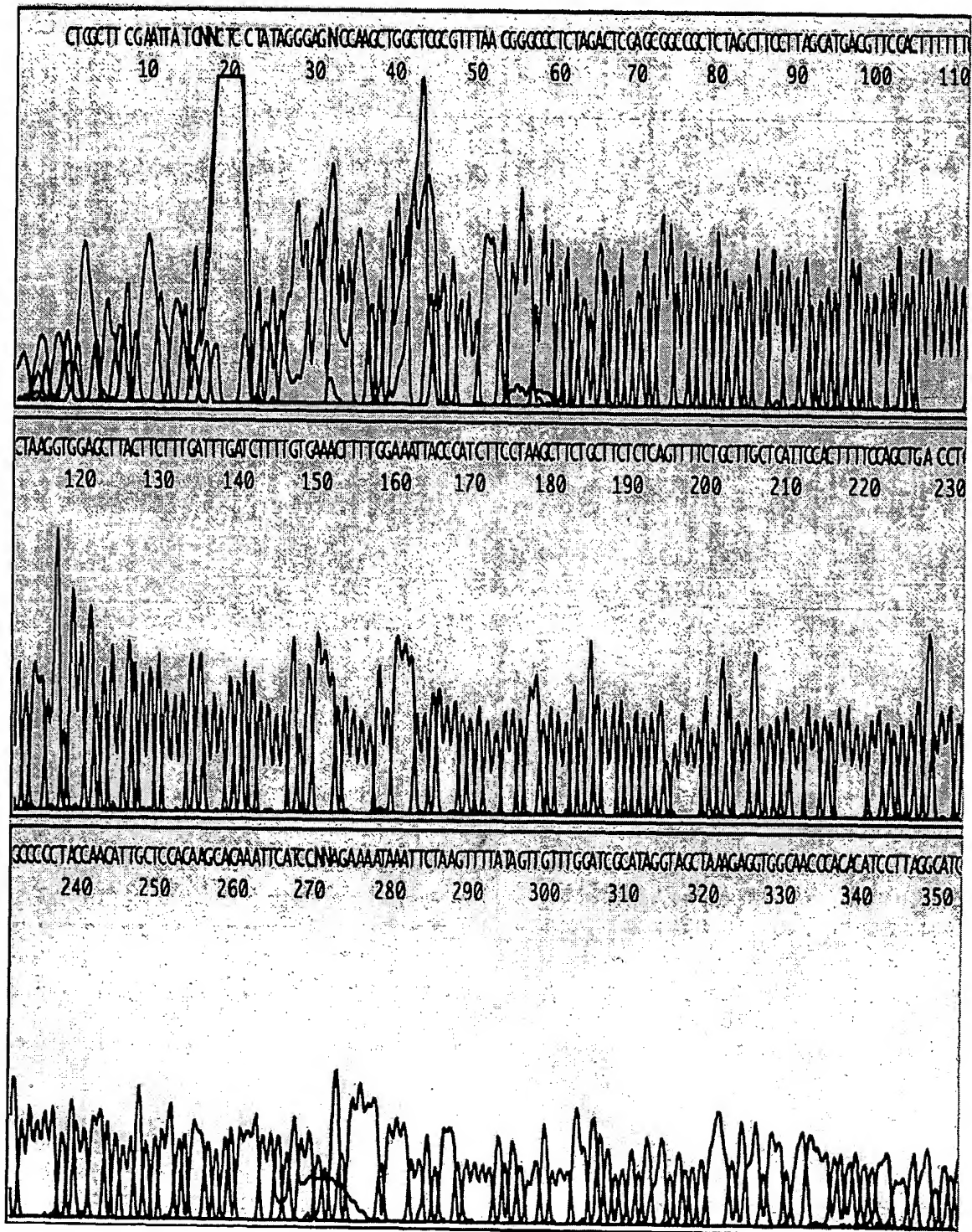


Figure 4G



**Figure 5a**

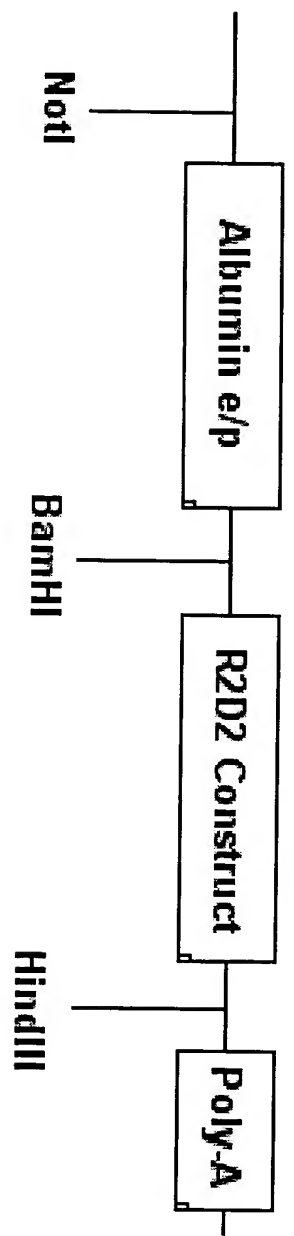
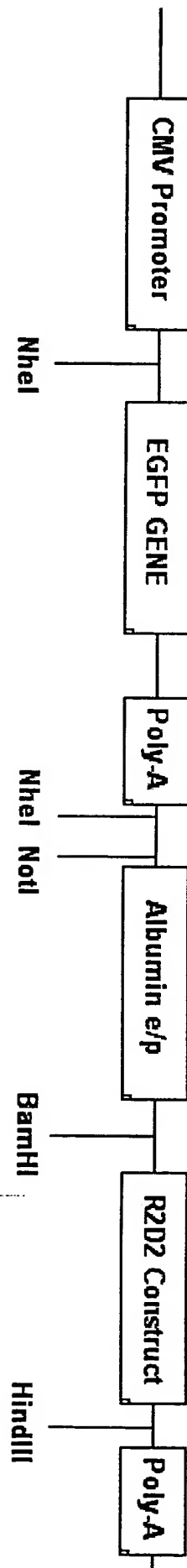


Figure 5b



**Figure 5c**

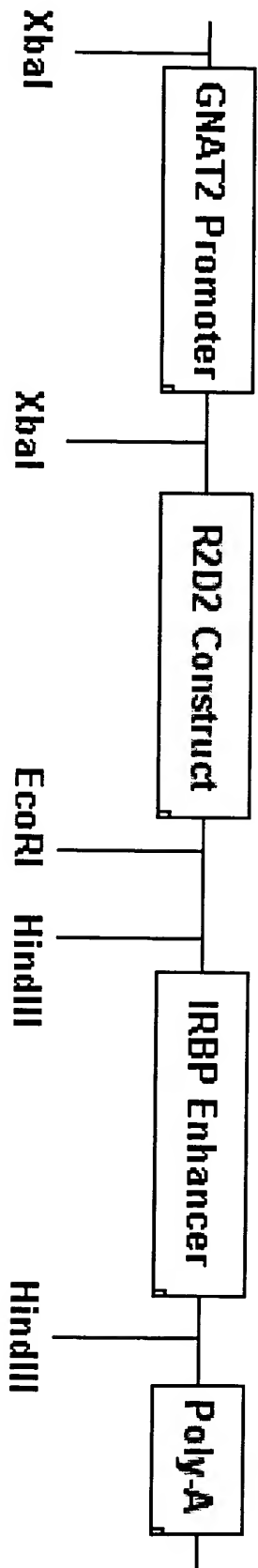


Figure 6

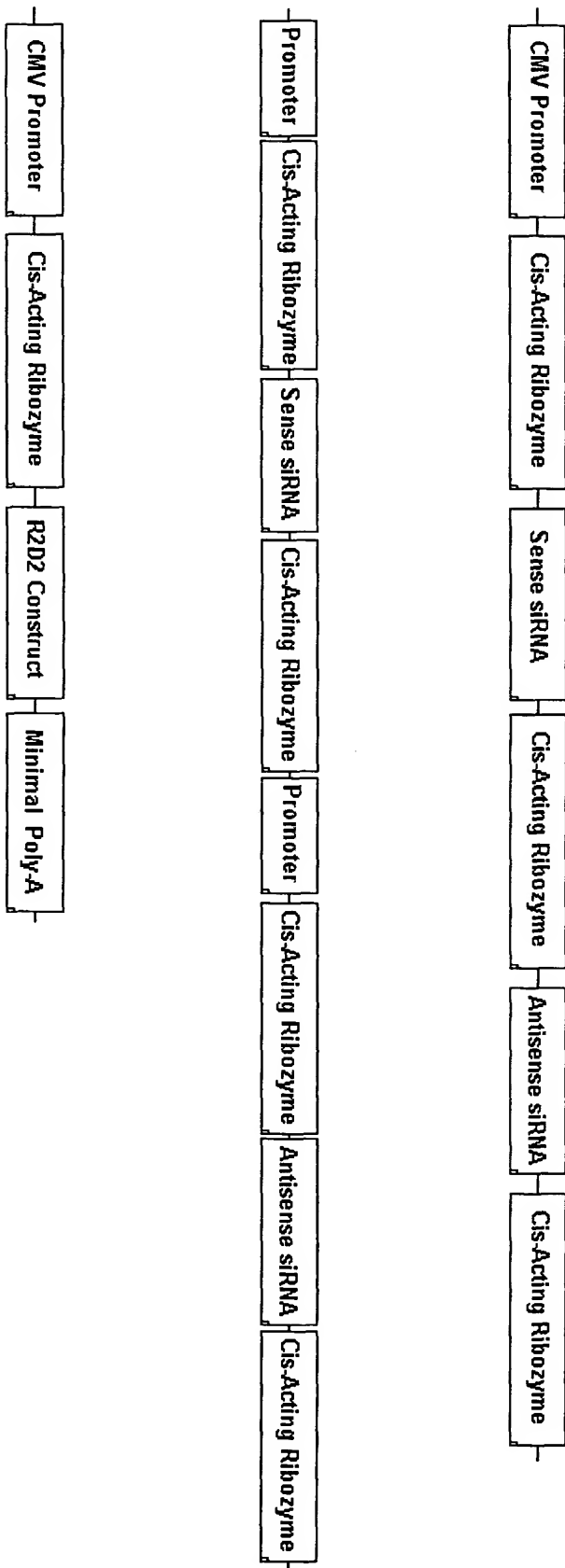


Figure 7

